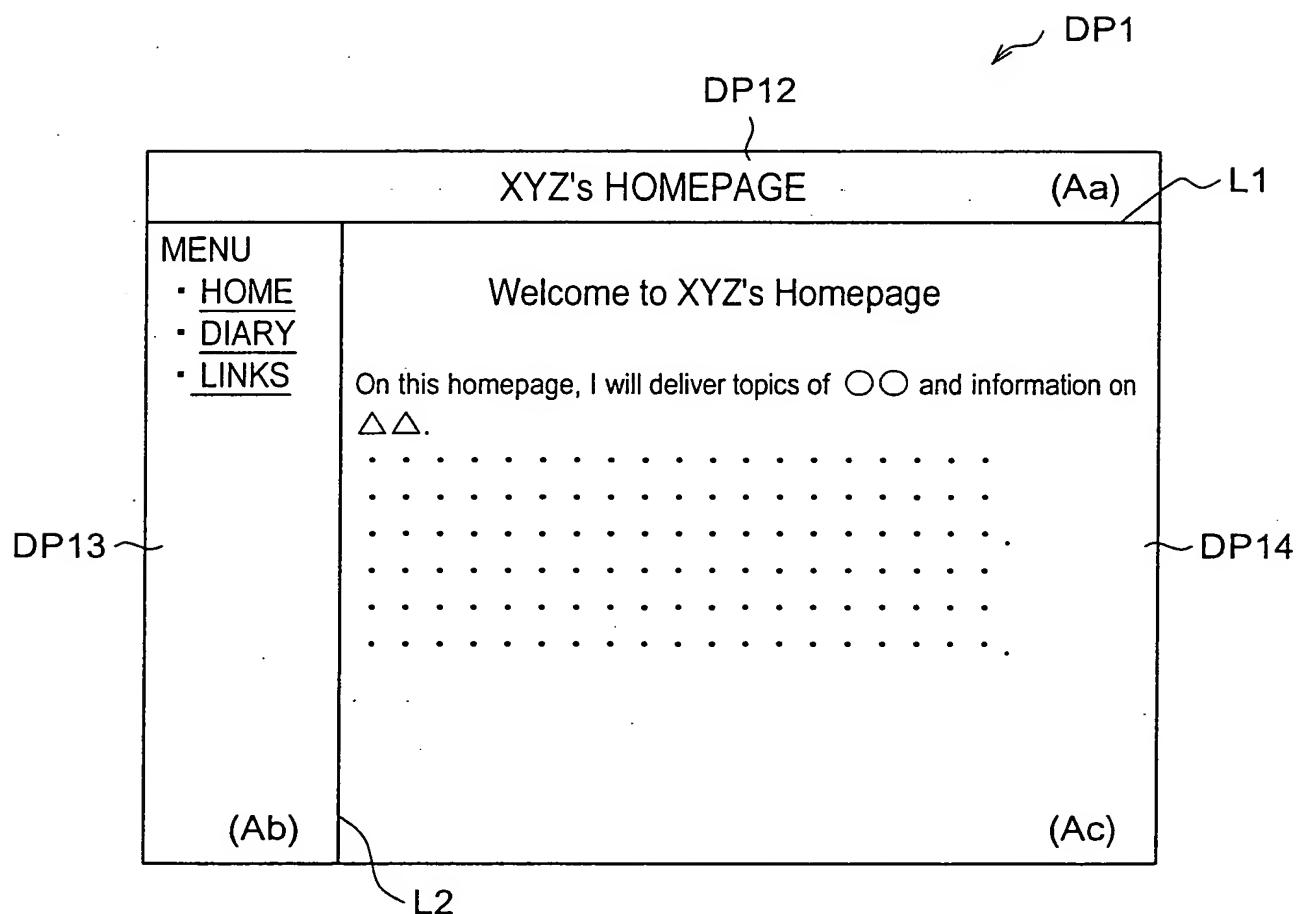
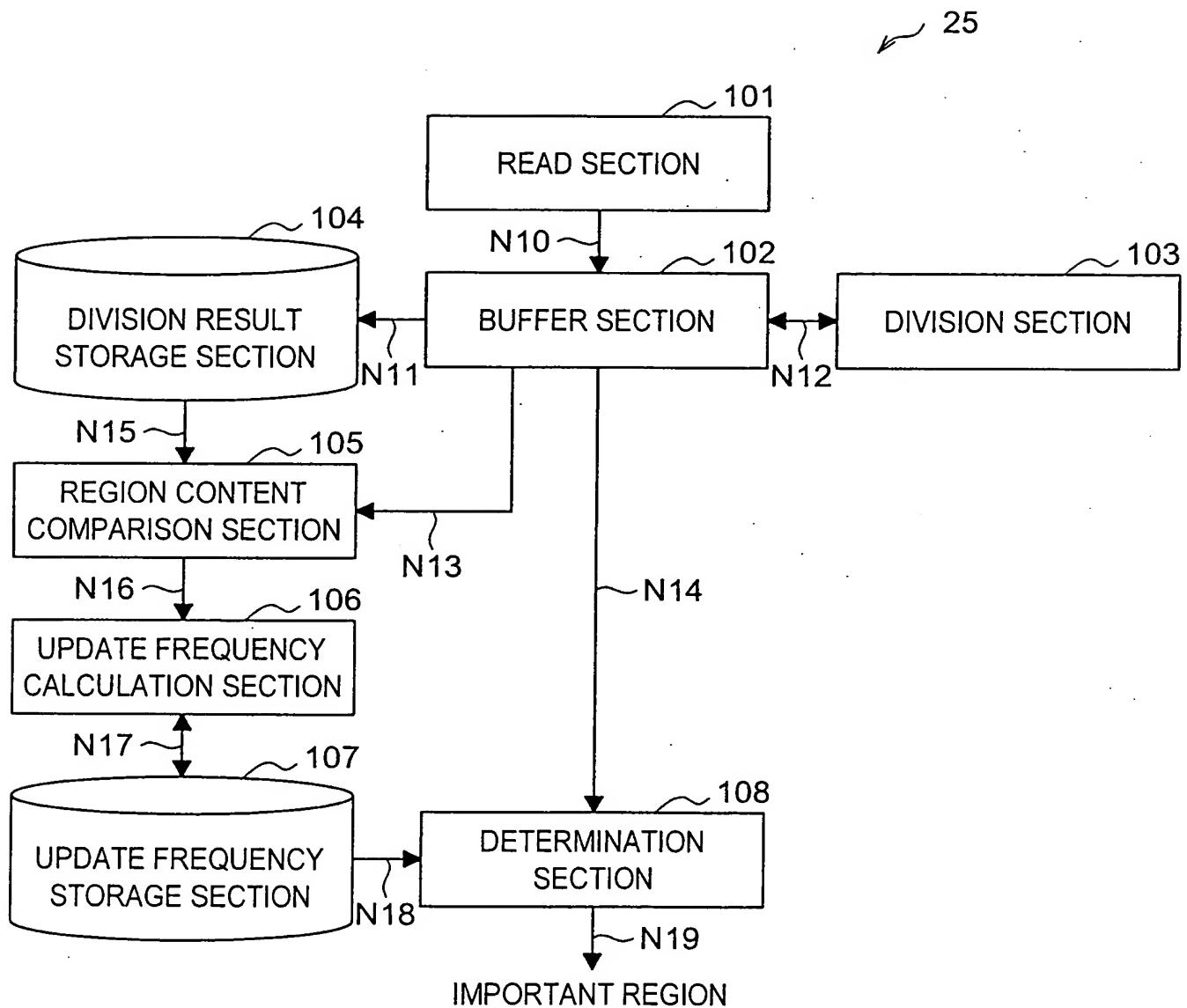


FIG.1



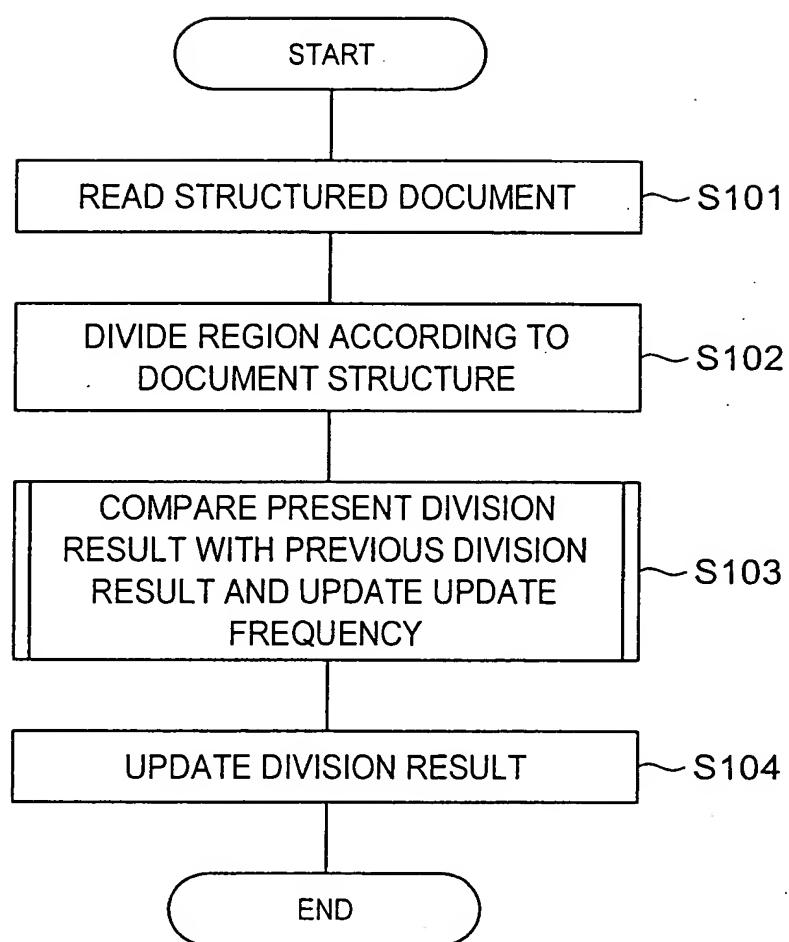
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FIG.2



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FIG.3



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FIG.4A

DP11(URL11)

index.html

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Frames//EN">
<HTML>
<HEAD>
<TITLE>XYZ'sHomepage </TITLE>
</HEAD>
<FRAMESET rows="10%.*">
TG12 ~<FRAME src="title.html" name ="title">
<FRAMESET cols="15%.*">
TG13 ~<FRAME src="menu.html" name ="menu">
TG14 ~<FRAME src="main.html" name ="main">
<NOFRAMES>
<P>For visitors who use non-frame browser, click here.</P>
<P><A href="menu.html">MENU</A>
<A href=main.html>main</A></P>
</NOFRAMES>
</FRAMESET>
</HTML>
```

FIG.4B

DP12(URL12)

title.html

```
<HTML>
<HEAD>
<TITLE>title</TITLE>
</HEAD>
<BASEFONT size=7 color=#008000>
<CENTER>
XYZ'sHomepage
</CENTER>
</HTML>
```

FIG.4C

menu.html

```
<HTML>
<HEAD>
<TITLE>menu</TITLE>
</HEAD>
<BODY>
<BASEFONT size=5 color="blue">
<ULL>MENU
<LI><A href="home.html" target="main">HOME</A>
<LI><A href="diary.html" target="main">DIARY</A>
<LI><A href="links.html" target="main">LINKS</A>
</ULL>
</BODY>
</HTML>
```

DP13(URL13)

FIG.4D

main.html

DP14(URL14)

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FIG.5

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Frames//EN">
<HTML>
<HEAD>
<TITLE>XYZ'sHomepage </TITLE>
</HEAD>
<FRAMESET rows="10%.*">
<FRAME src="title.html" name ="title">
<HTML>
<HEAD>
<TITLE>title</TITLE>
</HEAD>
<BASEFONT size=7 color="#008000>
<CENTER>
XYZ'sHomepage
</CENTER>
</HTML>
<FRAMESET cols="15%.*">
<FRAME src="menu.html" name ="menu">
<HTML>
<HEAD>
<TITLE>menu</TITLE>
</HEAD>
<BODY>
<BASEFONT size=5 color="blue">
<ULL>MENU
<LI><A href="home.html" target="main">HOME</A>
<LI><A href="diary.html" target="main">DIARY</A>
<LI><A href="links.html" target="main">LINKS</A>
</ULL>
</BODY>
</HTML>
<FRAME src="main.html" name ="main">
<HTML>
<HEAD>
<TITLE>body</TITLE>
</HEAD>
<BASEFONT size=5 color="black">
<BR>
<P>
<CENTER>
<FONT size=7>
Welcome to XYZ's Homepage!<BR>
</CENTER>
</FONT>
</P>
On this homepage, I will deliver topics of ○○ and information on △△.
.....
.....
.....
.....
.....
.....
</HTML>
<NOFRAMES>
<P>For visitors who use non-frame browser, click here.</P>
<P><A href="menu.html">MENU</A>
<A href="main.html">main</A></P>
</NOFRAMES>
</FRAMESET>
</HTML>
```

PT1 ~ SP1
insert content of title.html (DP12)

PT2 ~ Insert content of menu.html (DP13)

PT3 ~ Insert content of main.html (DP14)

PT4 ~

FIG.6

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FIG.7

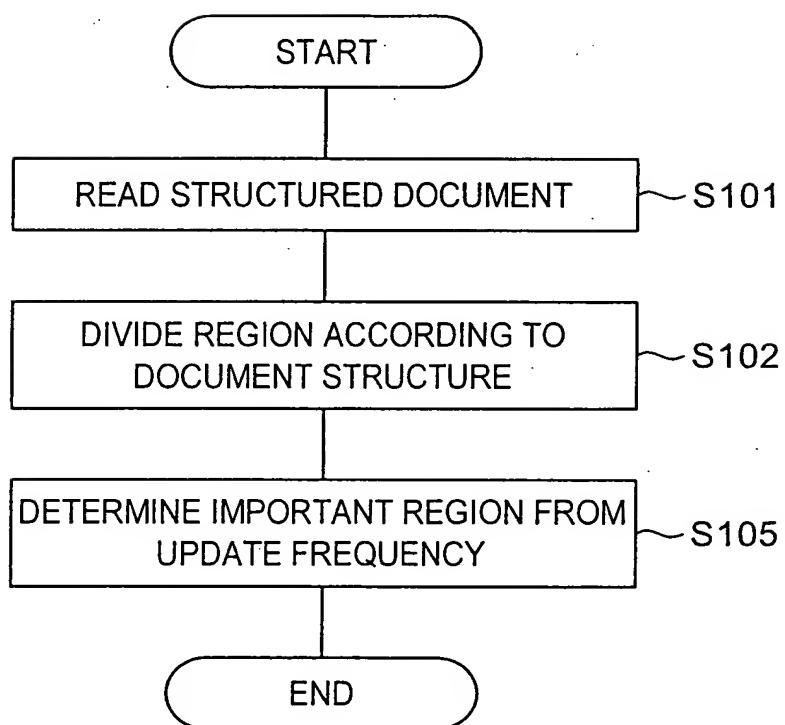
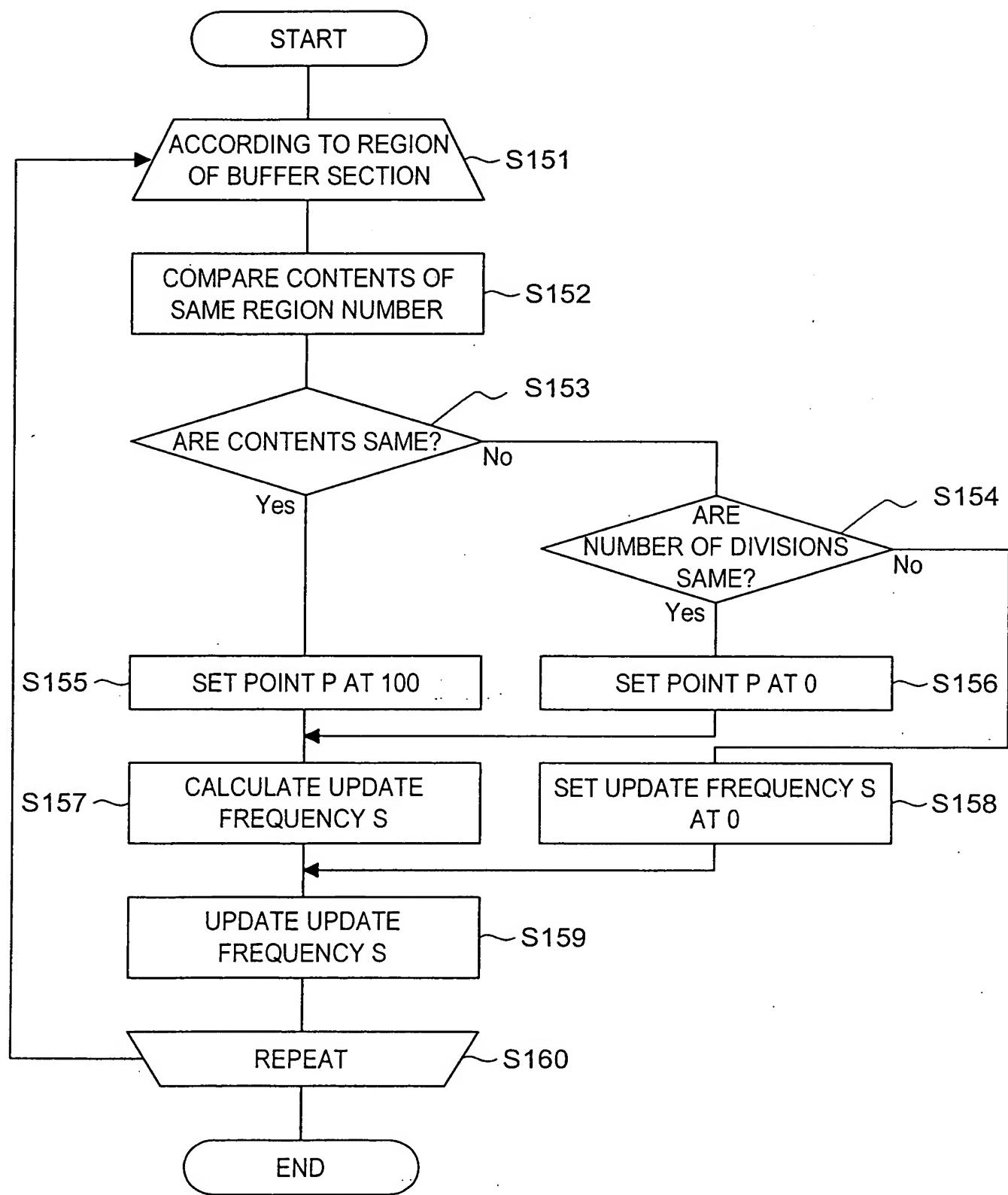


FIG.8



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FIG.9

	COMPARISON RESULT	POINT P	PREVIOUS UPDATE FREQUENCY S_0	UPDATE FREQUENCY S
REGION 1	SAME	100	73	78
REGION 2	SAME	100	73	78
REGION 3	DIFFERENT	0	46	37

if $\alpha = 0.8$

$$73 \times 0.8 + 100 \times (1-0.8) = 78$$

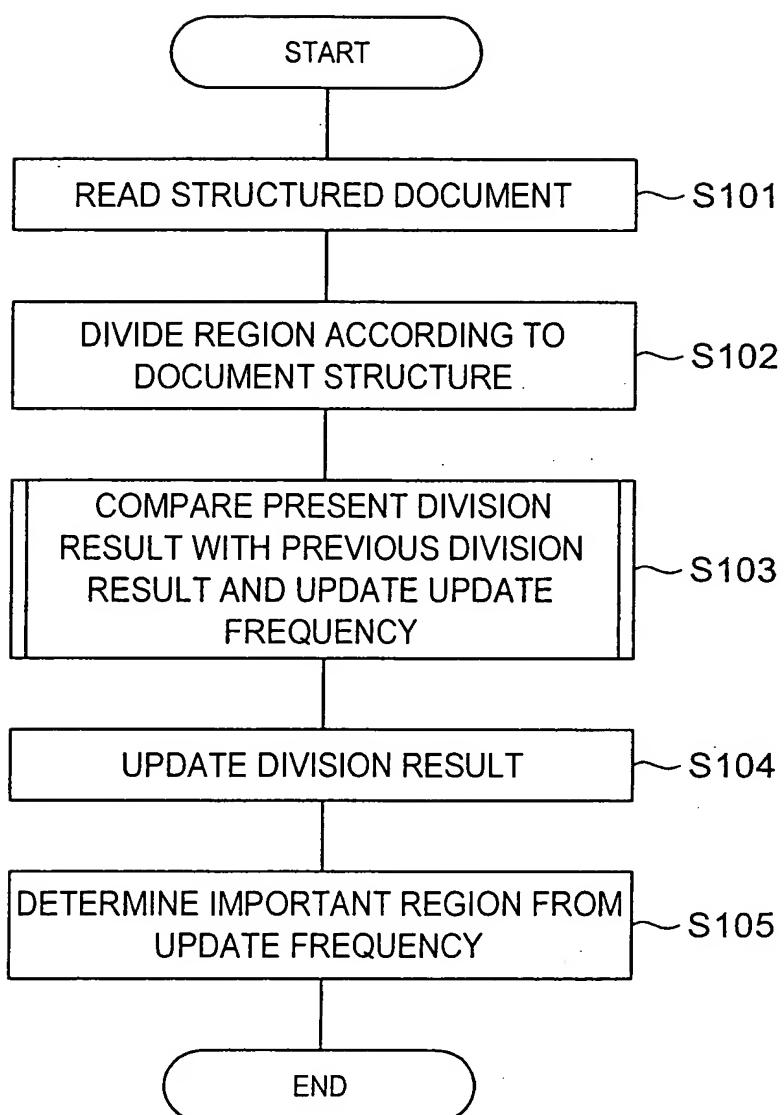
$$46 \times 0.8 + 0 \times (1-0.8) = 37$$

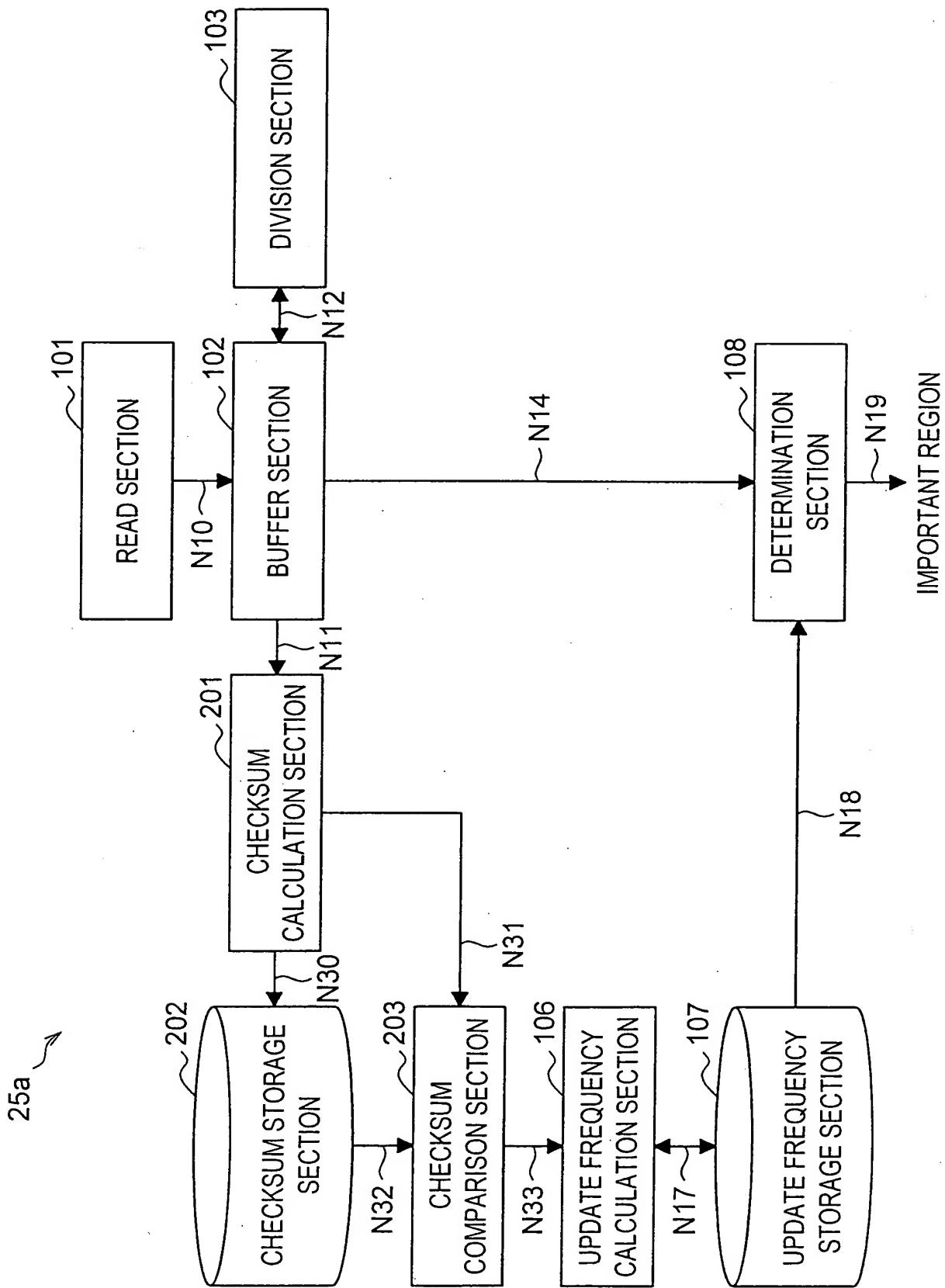
FIG.10

	COMPARISON RESULT	POINT P	PREVIOUS UPDATE FREQUENCY S_0	UPDATE FREQUENCY S
REGION 1	SAME	100	73	78
REGION 2	DIFFERENT	—	73	0
REGION 3	DIFFERENT	—	46	0
REGION 4	NO COMPARISON TARGET	—	—	0

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FIG.11





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FIG.13

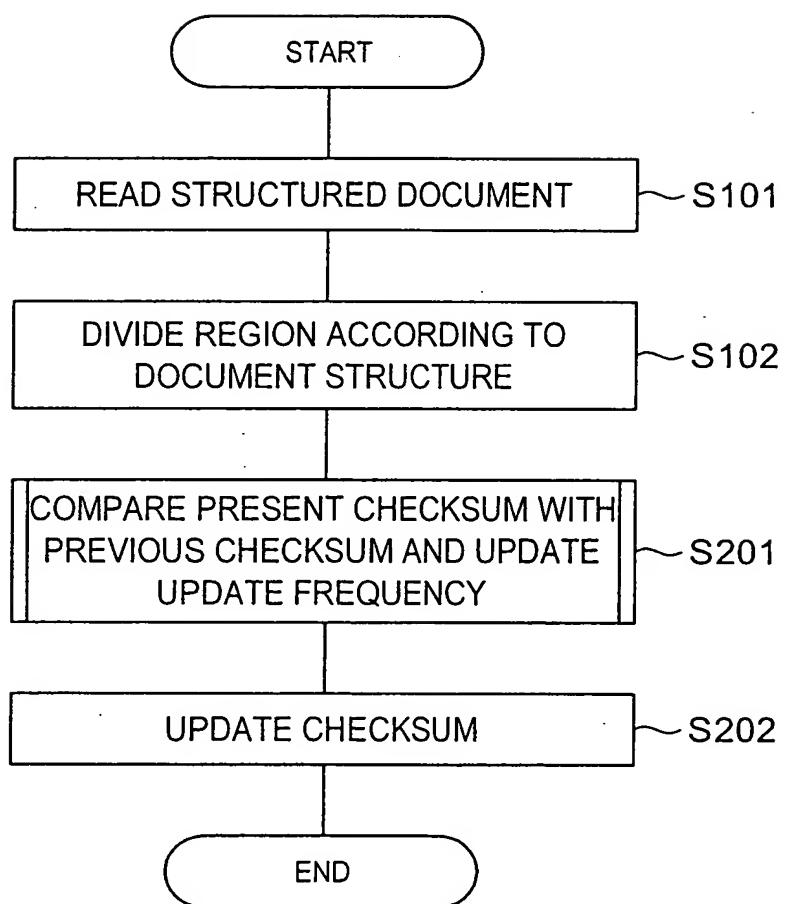


FIG.14

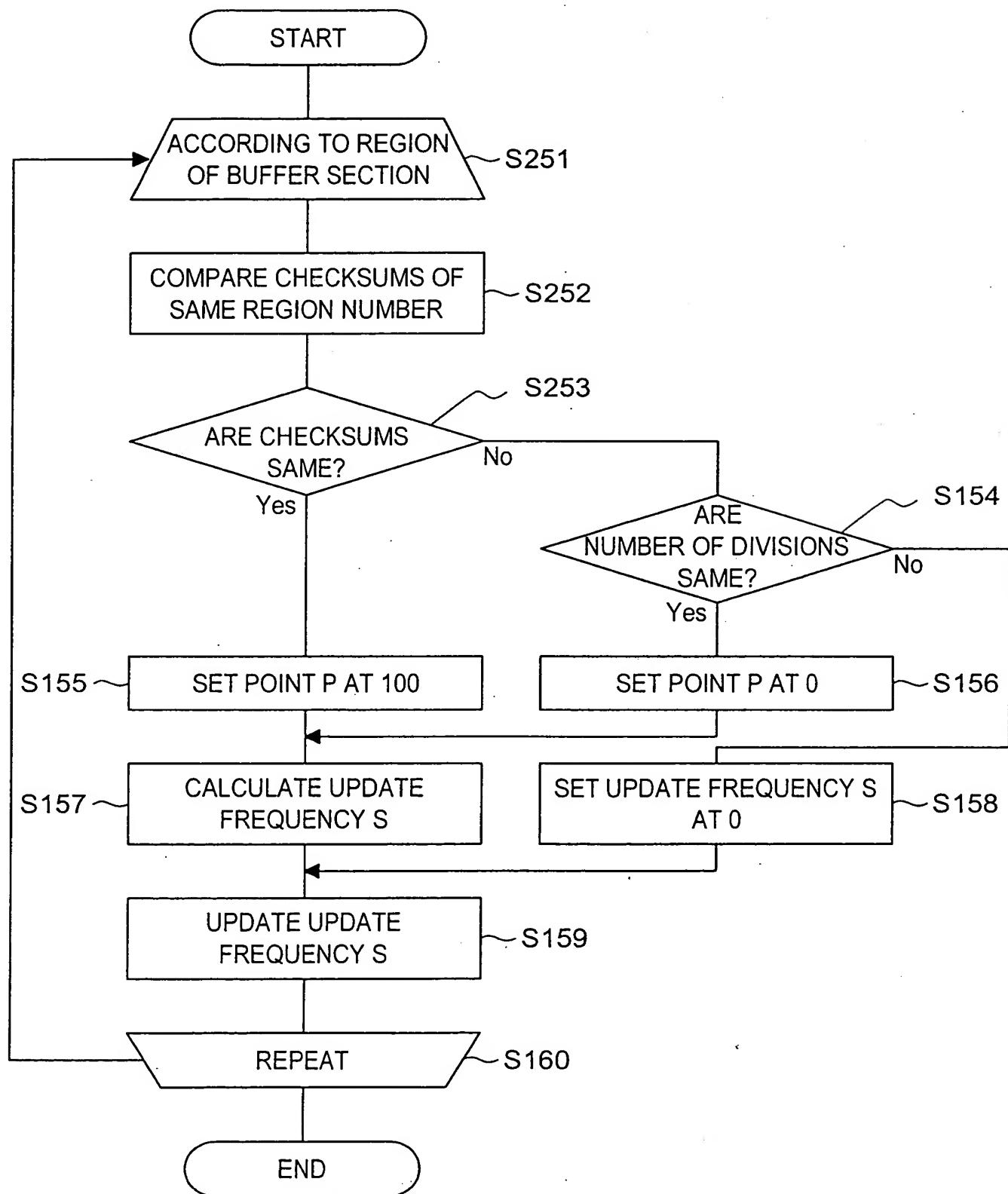
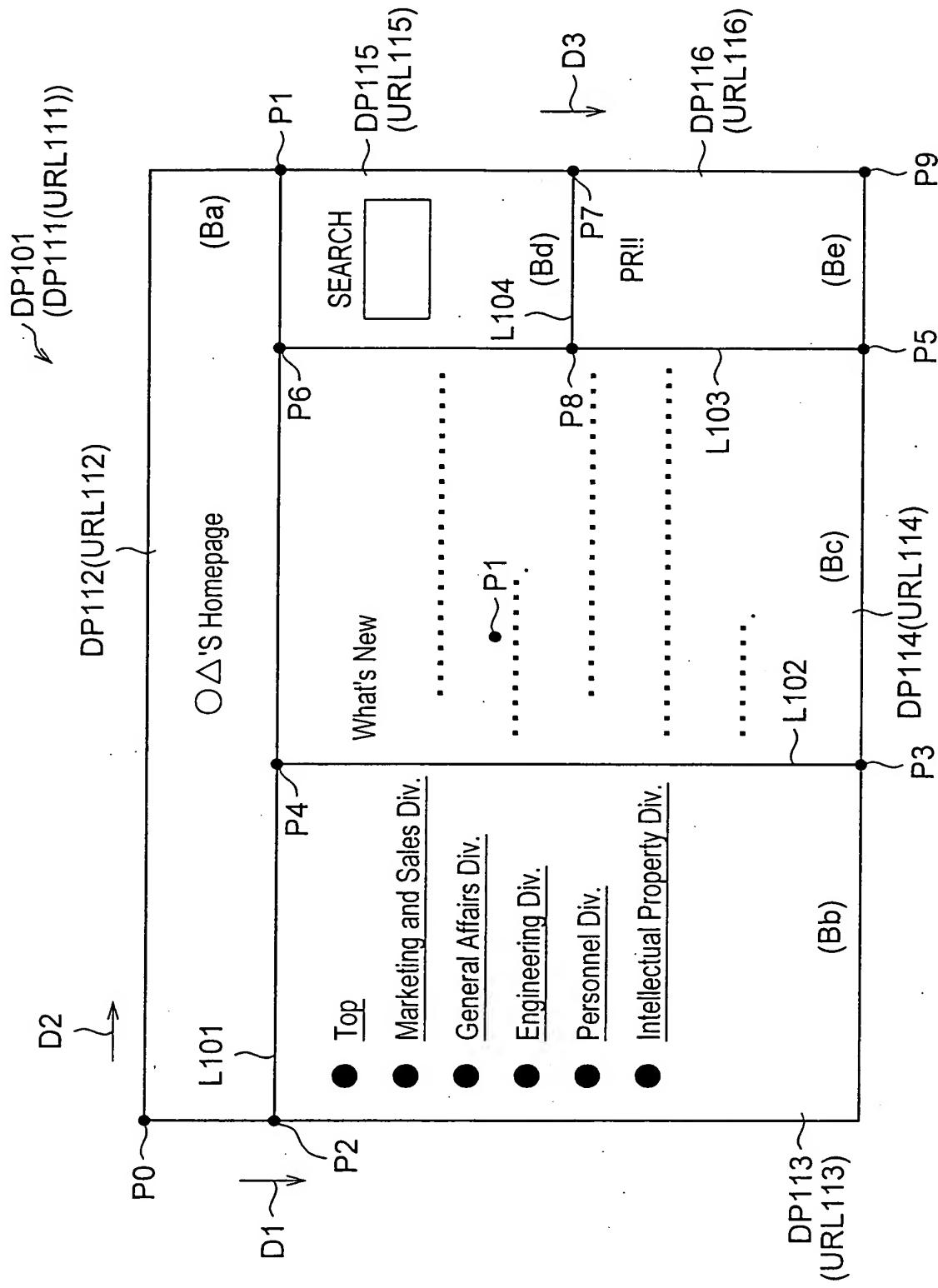


FIG.15



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FIG.16

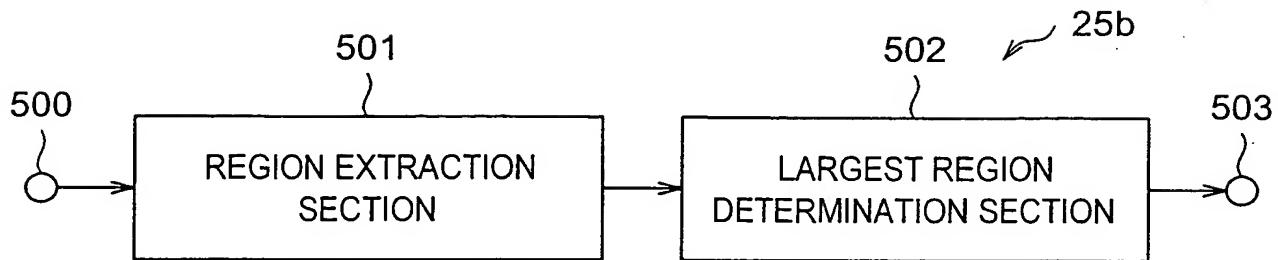


FIG.17

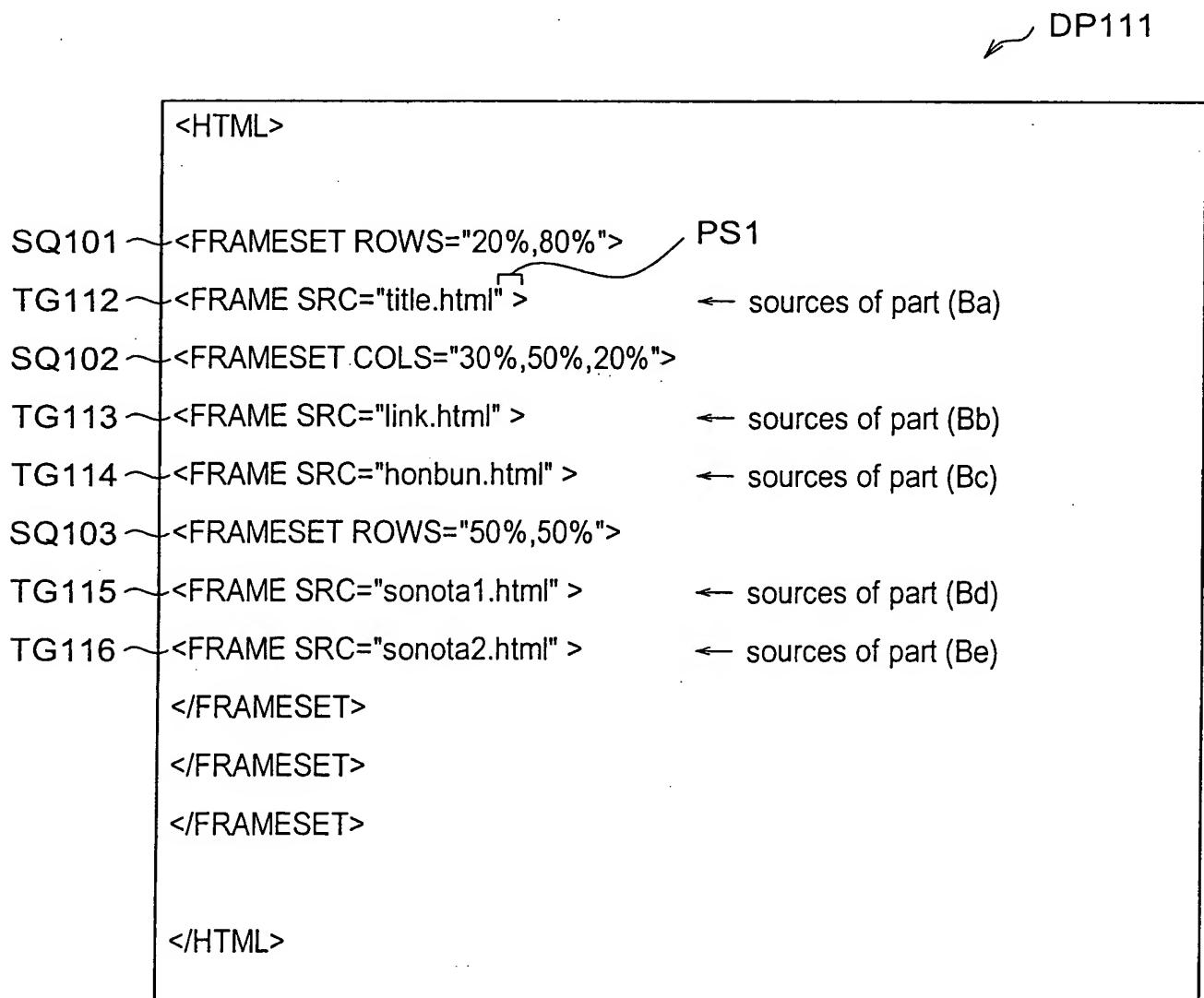


FIG.18

RD101 ~	(20, <FRAME SRC="title.html" >)	← sources of part (Ba)
RD102 ~	(24, <FRAME SRC="link.html" >)	← sources of part (Bb)
RD103 ~	(40, <FRAME SRC="honbun.html" >)	← sources of part (Bc)
RD104 ~	(8, <FRAME SRC="sonota1.html" >)	← sources of part (Bd)
RD105 ~	(8, <FRAME SRC="sonota2.html" >)	← sources of part (Be)

FIG.19

<FRAME SRC="honbun.html" >

FIG.20

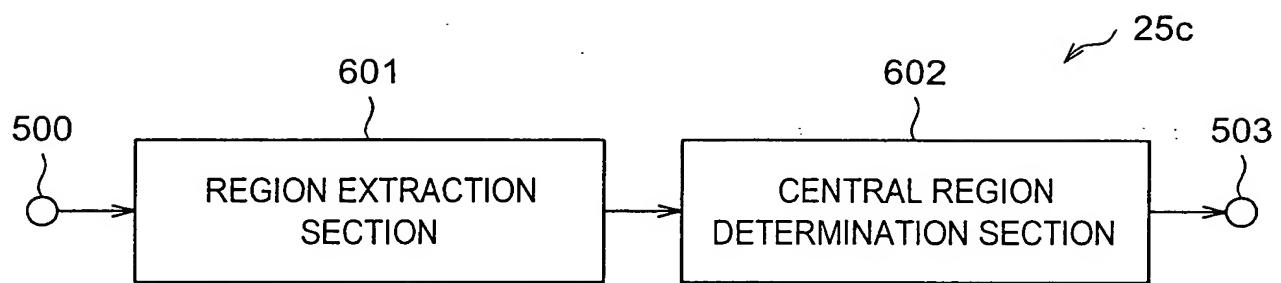


FIG.21

RD111	~	((0,0), (100,20), <FRAME SRC="title.html" >)	← sources of part (Ba)
RD112	~	((0,20), (30,100), <FRAME SRC="link.html" >)	← sources of part (Bb)
RD113	~	((30,20), (80,100), <FRAME SRC="honbun.html" >)	← sources of part (Bc)
RD114	~	((80,20), (100,60), <FRAME SRC="sonota1.html" >)	← sources of part (Bd)
RD115	~	((80,60), (100,100) <FRAME SRC="sonota2.html" >)	← sources of part (Be)

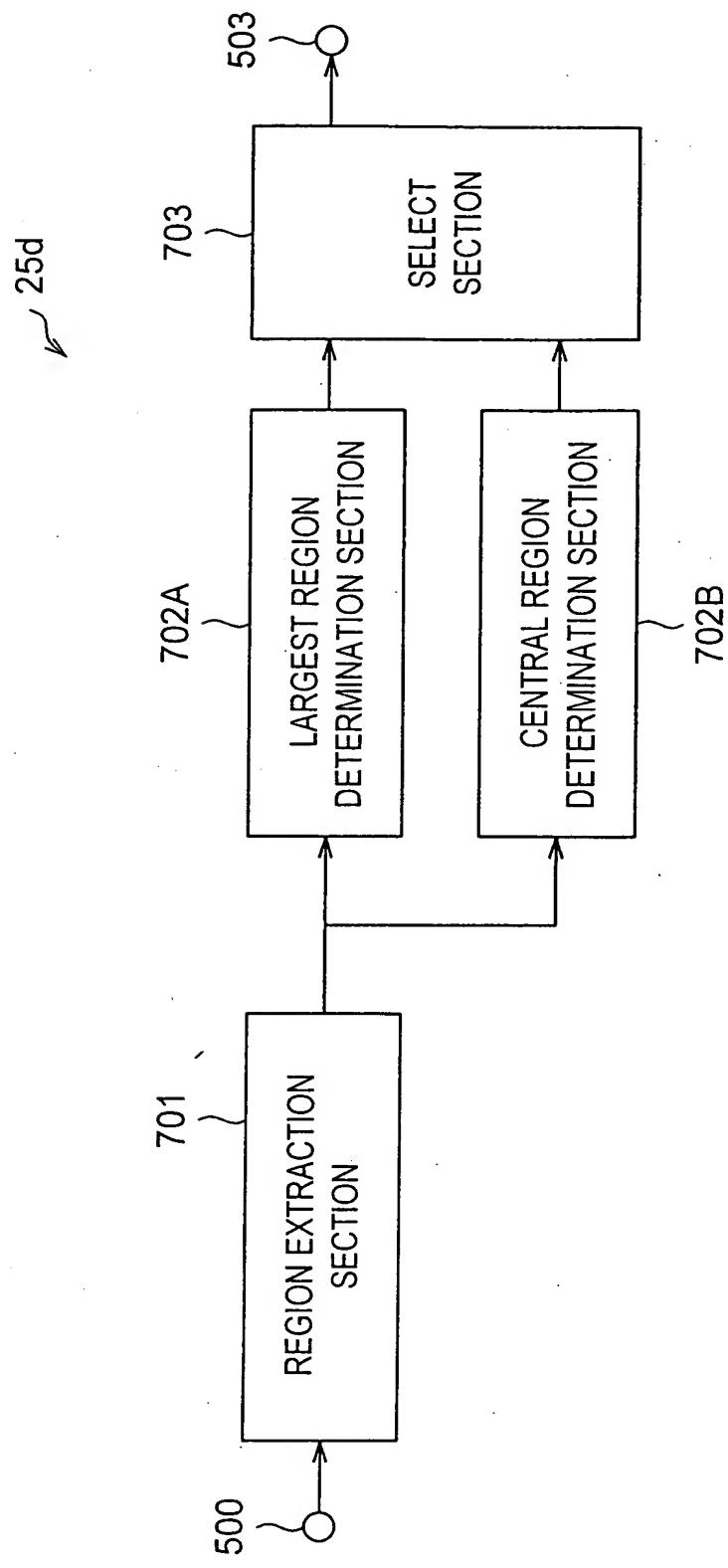
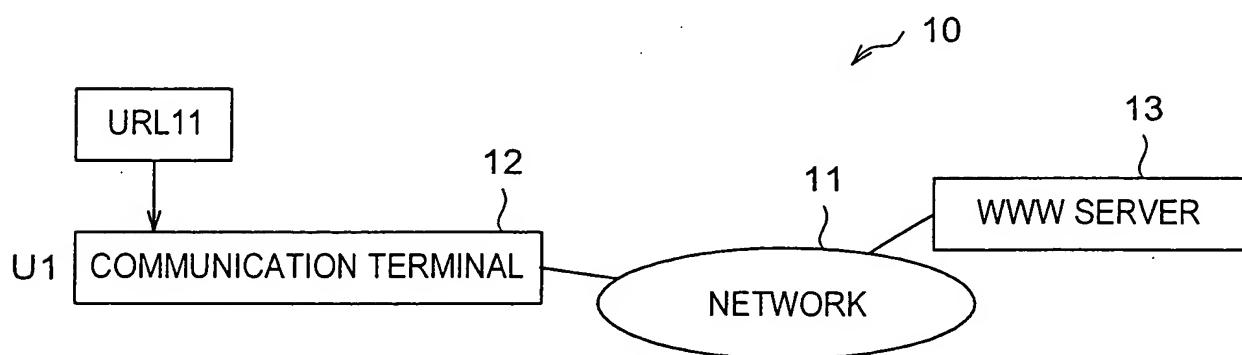


FIG.22

FIG.23

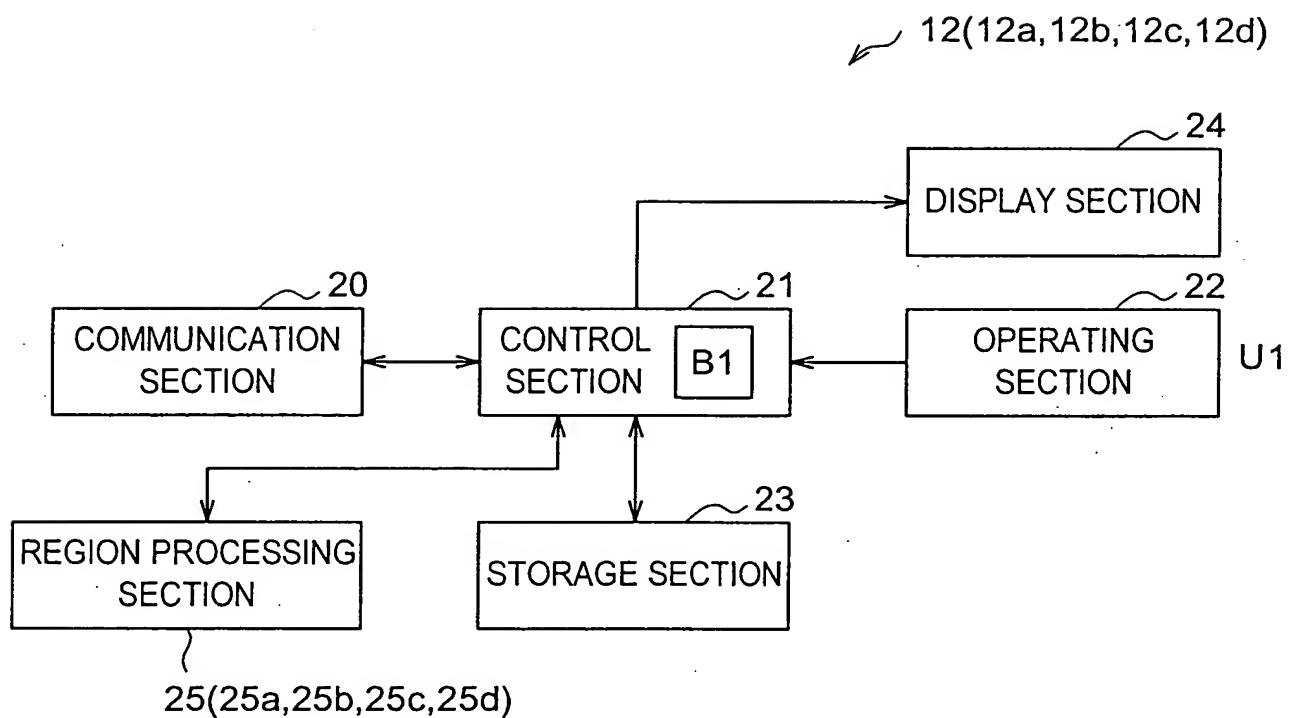
RD121 ~	(20, (0,0), (100,20), <FRAME SRC="title.html" >)	← sources of part (Ba)
RD122 ~	(24, (0,20), (30,100), <FRAME SRC="link.html" >)	← sources of part (Bb)
RD123 ~	(40, (30,20), (80,100), <FRAME SRC="honbun.html" >)	← sources of part (Bc)
RD124 ~	(8, (80,20), (100,60), <FRAME SRC="sonota1.html" >)	← sources of part (Bd)
RD125 ~	(8, (80,60), (100,100) <FRAME SRC="sonota2.html" >)	← sources of part (Be)

FIG.24



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FIG.25



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FIG.26

